

WHAT IS CLAIMED IS:

1. A method for Internet protocol (IP) based wireless data transmission between a wireless device and a server comprising the steps of:

providing multiple first ports on the wireless device,

5 providing multiple second ports on the server,

transmitting multiple IP data packets between the first and second ports concurrently,

assembling the multiple IP data packets into single transmissions, whereby a transmission rate between the wireless device and the server is increased.

10 2. A wireless device for Internet protocol (IP) based wireless data transmission between the wireless device and a server, the wireless device comprising:

a cellular telephone/mobile (CT/MD) device including

multiple antennas on the CT/MD device, where each antenna is designed for a specific frequency, and multiple T/R units within the CT/MD device, each T/R unit designed for a specific frequency.

3. The wireless device as in Claim 2 including multiple processors in the CT/MD.

4. The device apparatus as in Claim 2 further including multiple ports on the wireless device.

5. The device as in Claim 2 further including a wireless cradle adapter to enhance the connectivity.

6. The device as in Claim 4 further including:

means for receiving first IP data packets on the ports concurrently,

means for sending second IP data packets to the server from the ports concurrently, whereby

the transmission rate between the wireless device and the server is increased.

7. The apparatus as in Claim 2 including a network switch box.

8. The CT/MD device as in Claim 7 wherein the multiple antennas are multiplexed to different frequencies.

10. The CT/MD device as in Claim 7 wherein the T/R units are multiplexed to different frequencies.

11. The device as in Claim 7 wherein the network switch box includes multiple antennas.

12. The network switch box as in Claim 11 wherein the multiple antennas are multiplexed to different frequencies.

13. A network switch box as in Claim 2 including multiple T/R units.

14. The network switch box as in Claim 13 wherein the multiple T/R units are multiplexed to different frequencies.

15. A device as in Claim 2 comprising a cellular telephone/mobile device (CT/MD) with multiple input/output ports.

5 16. The CT/MD of Claim 15 comprising the input/output ports including a universal serial bus (USB) port.

17. The CT/MD of Claim 15 comprising the input/output ports including a coaxial cable port.

10 18. The CT/MD of Claim 15 comprising the input/output ports including a standard telephone (POTS) port.

19. The CT/MD of Claim 15 comprising the input/output ports including a twisted pair port.

15 20. The CT/MD of Claim 15 comprising the input/output ports including an Ethernet port.

21. The CT/MD of Claim 15 comprising the input/output ports including an optical port.

22. The CT/MD of Claim 15 comprising the number of input/output ports being variable.

20 23. A device as in Claim 2 comprising a network switch box with multiple input/output ports.

24. The network switch box of Claim 23 comprising the input/output ports including a universal serial bus (USB) port.

25. The network switch box of Claim 23 comprising the input/output ports including a coaxial cable port.

26. The network switch box of Claim 23 comprising the input/output ports including a standard telephone (POTS) port.

27. The network switch box of Claim 23 comprising the input/output ports including a twisted pair port.

28. The network switch box of Claim 23 comprising the input/output ports including an Ethernet port.

29. The network switch box of Claim 23 comprising the input/output ports including an optical port.

30. The network switch box of Claim 23 comprising the number of input/output ports being variable.

31. A device as in Claim 2 comprising a cellular telephone/mobile device (CT/MD) including a docking station.

32. A device as in Claim 2 comprising a network switch box including a docking station.

33. A device as in Claim 2 comprising a cellular telephone/mobile device (CT/MD) with a
5 wireless cradle adapter for connecting to a non-wireless device.

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